

ACROPOLIS[®]

ANNOUNCES A GREAT NEW IDEA FOR MICROPOLIS USERS

FORTH COMES TO MICROPOLIS...

The Forth language features the built in advantages of high speed execution, minimal memory requirements and ability to store more data in less space than other languages. Now ACROPOLIS has written a special version of Forth specifically for Micropolis users.

ACROPOLIS FORTH BETTER THAN FORTH...

Forth is the leader in a whole new generation of computer languages that maximize the speed, storage and utility of your micro. ACROPOLIS FORTH (A-FORTH), now takes Forth and makes it available to Micropolis users who want the advantages of Forth without experiencing the pain of a new learning curve. A-FORTH has been completely rewritten and assembled to insure precise compatibility with Micropolis MDOS. In addition to all the regular features of Forth, A-FORTH has many additional features not found in any standard Forth. All of these additional features mean extra convenience and utility for Micropolis users.

A-FORTH MEANS EASIER PROGRAMMING

A-FORTH operates as its own compiler allowing you to compile directly from the keyboard as well as source files on your disks. A-FORTH compiler security traps errors by insuring all control structures are completed within your programs.

A-FORTH is an interactive language that allows creating and testing programs right from the keyboard without creating a disk file. This user-oriented keyboard testing is interpretive in nature to aid in debugging your programs.

A-FORTH is a structured language so your programs are more readable. You can use spaces in your source program without slowing program execution. This ability to write readable programs means easier programming and debugging.

A-FORTH is completely extensible so you can add your own commands to the language. These additional commands can be simple or complex with names up to 31 characters in length. Your programs become more readable since your special command names can be truly explanatory of their function. Your own special commands become part of the language and execute as fast as the standard commands.

A-FORTH has 2 program/data file editors. One is a line editor for standard serial terminals. The other is a screen editor for memory-mapped video display terminals. Both of these editors mean easier programming and debugging and are provided in A-FORTH source form so you can make your own modifications and enhancements to the basic editors -- create your own editor!

A-FORTH MEANS FASTER EXECUTION...

A-FORTH is up to 30 times faster than Micropolis Basic. Even faster execution is possible for time critical applications by using A-FORTH's multi-level language feature to program in assembler. A-FORTH also features an 8080/8085 macro-assembler that allows you to use any mixture of A-FORTH and assembly code you want in a single program. You can even use A-FORTH's macro-assembler to create a whole new set of instructions for your machine. A-FORTH's macro-assembler contains control structures for forward and backward references and is provided in source form so you can make your own modifications.

A-FORTH is designed to allow multiple vocabularies so you can group procedures for increased compiling speed. You can even use the same procedure name in different applications simultaneously without conflicts.

MORE INFORMATION ON REAR

A-FORTH ALSO HAS THESE SPECIAL FEATURES:

- * Double precision math & stack operations (32 bit)
- * Double precision variables & constants (32 bit)
- * Multi Dimensional arrays up to the limits of your available memory
- * Virtual arrays up to the limit of your disk storage on all disks
- * Case statements to increase program clarity & reduce programming time
- * Numeric formatting package
- * Allows programs to be structured for chaining & overlays
- * Allows you to define own data structures & types
- * Supports system printer using standard MDOS assign statements
- * Has on error statements for user handling of printer & disk errors.
- * Allows forgetting across vocabulary boundaries
- * Enhanced disk procedures to reduce response & compiling time & # of disk accesses
- * Physical disk support for disk diagnostics and disk copy
- * Allows access to MDOS file directory
- * Allows direct machine control
- * Can be set up for multiple tasks and users
- * You can even write other languages in A-FORTH

A-FORTH IS AVAILABLE NOW FOR \$150.00

FOR YOUR COPY OR MORE INFORMATION WRITE OR CALL:

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